



#7  
1/4

SEQUENCE LISTING

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<120> MONOCLONAL ANTIBODIES TO HUMAN  
IMMUNODEFICIENCY VIRUS AND USES THEREOF

<130> 6755.US.01

<140> 09/731,126

<141> 2000-12-06

<160> 9

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 28

<212> PRT

<213> Human Immunodeficiency Virus

<400> 1

Cys Gln Ala Ala Met Gln Met Leu Lys Glu Thr Ile Asn Glu Glu Ala  
1 5 10 15  
Ala Glu Trp Asp Arg Val His Pro Val His Ala Gly  
20 25

<210> 2

<211> 28

<212> PRT

<213> Human Immunodeficiency Virus

<400> 2

Cys Gln Gly Ala Leu Gln Val Leu Lys Glu Val Ile Asn Glu Glu Ala  
1 5 10 15  
Ala Asp Trp Asp Arg Ser His Pro Val Val Gly  
20 25

<210> 3

<211> 27

<212> PRT

<213> Human Immunodeficiency Virus

<400> 3

Cys Leu Asp Ile Arg Gln Gly Pro Lys Glu Pro Phe Arg Asp Tyr Val  
1 5 10 15  
Asp Arg Phe Tyr Lys Thr Leu Arg Ala Glu Gln



20

25

<210> 4  
 <211> 27  
 <212> PRT  
 <213> Human Immunodeficiency Virus

<400> 4  
 Cys Leu Asp Ile Lys Gln Gly Pro Lys Glu Pro Pro Arg Asp Tyr Val  
 1 5 10 15  
 Asp Arg Phe Tyr Lys Thr Leu Arg Ala Glu Gln  
 20 25

<210> 5  
 <211> 20  
 <212> PRT  
 <213> Human Immunodeficiency Virus

<400> 5  
 Cys Lys Thr Ile Leu Lys Ala Leu Gly Pro Ala Ala Thr Leu Glu Glu  
 1 5 10 15  
 Met Met Thr Ala  
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<210> 6  
 <211> 20  
 <212> PRT  
 <213> Human Immunodeficiency Virus

<400> 6  
 Cys Lys Gln Ile Leu Lys Ala Leu Gly Pro Gly Ala Thr Leu Glu Glu  
 1 5 10 15  
 Met Met Val Ala  
 20

<210> 7  
 <211> 232  
 <212> PRT  
 <213> Human Immunodeficiency Virus

<400> 7  
 Pro Val Val Pro Asn Ala Gln Gly Gln Met Ile His Gln Ala Leu Ser  
 1 5 10 15  
 Pro Arg Thr Leu Asn Ala Trp Val Lys Ala Val Glu Glu Lys Ala Phe  
 20 25 30  
 Asn Pro Glu Ile Ile Pro Met Phe Met Ala Leu Ser Glu Gly Ala Ile  
 35 40 45  
 Pro Tyr Asp Ile Asn Ile Met Leu Asn Ala Ile Gly Gly His Gln Gly  
 50 55 60  
 Ala Leu Gln Val Leu Lys Glu Val Ile Asn Glu Glu Ala Ala Asp Trp  
 65 70 75 80  
 Asp Arg Ser His Pro Pro Val Val Gly Pro Leu Pro Pro Gly Gln Ile  
 85 90 95



Arg Glu Pro Thr Gly Ser Asp Ile Ala Gly Thr Thr Ser Thr Gln Gln  
 100 105 110  
 Glu Gln Val His Trp Ile Thr Arg Ala Asn His Pro Val Pro Val Gly  
 115 120 125  
 Asp Ile Tyr Arg Lys Trp Ile Val Leu Gly Leu Asn Lys Met Val Lys  
 130 135 140  
 Met Tyr Ser Pro Val Ser Ile Leu Asp Ile Lys Gln Gly Pro Lys Glu  
 145 150 155 160  
 Pro Phe Arg Asp Tyr Val Asp Arg Phe Tyr Lys Thr Leu Arg Ala Glu  
 165 170 175  
 Gln Ala Ile Gln Asp Val Lys Asn Trp Met Thr Glu Thr Leu Leu Val  
 180 185 190  
 Gln Asn Ala Asn Pro Asp Cys Lys Gln Ile Leu Lys Ala Leu Gly Pro  
 195 200 205  
 Gly Ala Thr Leu Glu Glu Met Met Val Ala Cys Gln Gly Val Gly Gly  
 210 215 220  
 Pro Thr His Lys Ala Lys Leu Leu  
 225 230

&lt;210&gt; 8

&lt;211&gt; 231

&lt;212&gt; PRT

&lt;213&gt; Human Immunodeficiency Virus

&lt;400&gt; 8

Pro Ile Val Gln Asn Ile Gln Gly Gln Met Val His Gln Ala Ile Ser  
 1 5 10 15  
 Pro Arg Thr Leu Asn Ala Trp Val Lys Val Val Glu Glu Lys Ala Phe  
 20 25 30  
 Ser Pro Glu Val Ile Pro Met Phe Ser Ala Leu Ser Glu Gly Ala Thr  
 35 40 45  
 Pro Gln Asp Leu Asn Thr Met Leu Asn Thr Val Gly Gly His Gln Ala  
 50 55 60  
 Ala Met Gln Met Leu Lys Glu Thr Ile Asn Glu Glu Ala Ala Glu Trp  
 65 70 75 80  
 Asp Arg Val His Pro Val His Ala Gly Pro Ile Ala Pro Gly Gln Met  
 85 90 95  
 Arg Glu Pro Arg Gly Ser Asp Ile Ala Gly Thr Thr Ser Thr Leu Gln  
 100 105 110  
 Glu Gln Ile Gly Trp Met Thr Asn Asn Pro Pro Ile Pro Val Gly Glu  
 115 120 125  
 Ile Tyr Lys Arg Trp Ile Ile Leu Gly Leu Asn Lys Ile Val Arg Met  
 130 135 140  
 Tyr Ser Pro Thr Ser Ile Leu Asp Ile Arg Gln Gly Pro Lys Glu Pro  
 145 150 155 160  
 Phe Arg Asp Tyr Val Asp Arg Phe Tyr Lys Thr Leu Arg Ala Glu Gln  
 165 170 175  
 Ala Ser Gln Glu Val Lys Asn Trp Met Thr Glu Thr Leu Leu Val Gln  
 180 185 190  
 Asn Ala Asn Pro Asp Cys Lys Thr Ile Leu Lys Ala Leu Gly Pro Ala  
 195 200 205  
 Ala Thr Leu Glu Glu Met Met Thr Ala Cys Gln Gly Val Gly Gly Pro  
 210 215 220  
 Gly His Lys Ala Arg Val Leu  
 225 230



<210> 9  
 <211> 229  
 <212> PRT  
 <213> Human Immunodeficiency Virus

<400> 9  
 Val Gln Gln Ala Gly Gly Asn Tyr Ile His Val Pro Leu Ser Pro Arg  
 1 5 10 15  
 Thr Leu Asn Ala Trp Val Lys Leu Val Glu Glu Lys Lys Phe Gly Ala  
 20 25 30  
 Glu Val Val Pro Gly Phe Gln Ala Leu Ser Glu Gly Cys Thr Pro Tyr  
 35 40 45  
 Asp Ile Asn Gln Met Leu Asn Cys Val Gly Asp His Gln Ala Ala Met  
 50 55 60  
 Gln Ile Ile Arg Glu Ile Ile Asn Glu Glu Ala Asp Trp Asp Ala  
 65 70 75 80  
 Gln His Pro Ile Pro Gly Pro Leu Pro Ala Gly Gln Leu Arg Asp Pro  
 85 90 95  
 Arg Gly Ser Asp Ile Ala Gly Thr Thr Ser Thr Val Asp Glu Gln Ile  
 100 105 110  
 Gln Trp Met Tyr Arg Gln Pro Asn Pro Val Pro Val Gly Asn Ile Tyr  
 115 120 125  
 Arg Arg Trp Ile Gln Ile Gly Leu Gln Lys Cys Val Arg Met Tyr Asn  
 130 135 140  
 Pro Thr Asn Ile Leu Asp Val Lys Gln Gly Pro Lys Glu Ser Phe Gln  
 145 150 155 160  
 Ser Tyr Val Asp Arg Phe Tyr Lys Ser Leu Arg Ala Glu Gln Thr Asp  
 165 170 175  
 Pro Ala Val Lys Asn Trp Met Thr Gln Thr Leu Leu Ile Gln Asn Ala  
 180 185 190  
 Asn Pro Asp Cys Lys Leu Val Leu Lys Gly Leu Gly Met Asn Pro Thr  
 195 200 205  
 Leu Glu Glu Met Leu Thr Ala Cys Gln Gly Val Gly Gly Pro Ser Gln  
 210 215 220  
 Lys Ala Arg Leu Met  
 225